



HDB-6503

Seat No. _____

B. Arch. (Sem. V) Examination

November / December – 2017

Building Construction - V

Time : 4 Hours]

[Total Marks : 80

Instruction : NBC can be referred as required at any given point of time, if required.

- 1** Short note (any 4) with proper sketches : **40**
- (a) Laminated glass with 2 glass sheets of 6mm thickness and other one with 2 sheets of 4 mm thickness
 - (b) Double glazing unit (25mm thick = 6mm+air gap+6mm)
 - (c) Triple glazing unit (45mm thick = 6mm + air gap + 6mm + air gap + 6mm)
 - (d) Sliding Window section @ sill using Al sections OR UPVC sections.
 - (e) Metal joints -riveted, bolted or welded between L and T sections.
 - (f) Explain various types of steel sections, with available lengths.
- 2** Short notes (Any 4) with proper sketches **40**
- (a) Composition of ACP with various ingredients.
 - (b) Composition of Stone composite panel for 20 mm thickness of core.
 - (c) Composition of gypsum wall of 80mm thickness using 2 skin boards of 15mm thickness on either faces without insulation.
 - (d) Composition of gypsum wall of 100 mm thickness using 2 double boards' skin of 12.5 mm thickness on either faces with 50mm insulation.
 - (e) Composition of gypsum ceiling using appropriate suspension.
 - (f) Cellulose composite panels detail typical with screw fixing OR structural adhesive at corner joint external.